

# Appendix C

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## Monitoring Data

Volume II of the Site Environmental Report for 1997 is published by Ernest Orlando Lawrence Berkeley National Laboratory as a supplemental appendix to the report printed in volume I. Volume II contains the environmental monitoring and sampling data used to generate summary results in the main report for routine and nonroutine activities at the Laboratory (except for groundwater sampling data, which may be found in the reports referred to in chapter 6). Data presented in volume II are given in Système International (SI) units.

The list below categorizes the volume II data sections with corresponding summary result tables in volume I:

<b>Volume II section</b>	<b>Volume I summary tables</b>
Stack Air	4-4 Summary of Radiological Air Emissions Released During 1997
Ambient Air	4-5 Summary of Ambient Tritium Sampling
	4-6 Gross Alpha and Beta Sampling Results from Ambient Air Monitoring Network
Rainwater	5-1 Rainwater Radiological Monitoring Results
Creeks	5-2 Creek Radiological Monitoring Results
Creek Baseline Study	No summary table (results discussed in §5.6)
Hydraugers	5-3 Hydrauger Tritium Monitoring Results
Lakes	No summary table (results discussed in §5.4)
Stormwater	5-4 Stormwater Radiological Monitoring Results
Sewer	7-1 Metals in Sewer Water Samples
	7-2 Radionuclide Analyses of Sewer Water Samples
Fixed Treatment Units	No summary table (results discussed in §§7.6–7.7)
Soil	8-1 Tritium Results in Soil and Sediment Sampling
	8-2 Metals and Oil/Grease Results in Soil and Sediment Sampling
Sediment	8-1 Tritium Results in Soil and Sediment Sampling
	8-2 Metals and Oil/Grease Results in Soil and Sediment Sampling
Vegetation	9-1 Summary of Free-Water and Organically Bound Tritium in Tree Samples

The results listed in volume II reference sampling locations with a station identifier code. The following list cross-references these codes with a more meaningful and descriptive label:

<b>Location code</b>	<b>Description of sampling location</b>	<b>Volume II section</b>
1-216H	Building 1 (Room 216) hood	Stack Air
1-373H	Building 1 (Room 373) hood	Stack Air
25 FTU	Building 25 fixed treatment unit	Fixed Treatment Units
55-128	Building 55 (Room 128)	Stack Air
56-ACLTR	Building 56 accelerator	Stack Air
62-250	Building 62 (Room 250)	Stack Air
69-Storm Drain	Building 69 storm drain inlet	Creek Baseline Study; Stormwater
70-103H	Building 70 (Room 103) hood	Stack Air
70-131A	Building 70 (Room 131A) Berkeley box manifold	Stack Air
70-147A	Building 70 (Room 147A) Berkeley box manifold	Stack Air
70-157H	Building 70 (Room 157H)	Stack Air
70-203B	Building 70 (Room 203B)	Stack Air
70A-1129B	Building 70A (Room 1129B)	Stack Air
70A-1129H	Building 70A (Room 1129) hood	Stack Air
70A-1129P	Building 70A (Room 1129) pressurized box manifold	Stack Air
70A-1145	Building 70A (Room 1145) Berkeley box manifold	Stack Air
70A-2211H	Building 70A (Room 2211) hood	Stack Air
70A-2217H	Building 70A (Room 2217) hood	Stack Air
70A-2275	Building 70A (Room 2275) Berkeley box manifold	Stack Air
71-Storm Drain	Building 71 storm drain inlet	Creek Baseline Study; Stormwater
75 NTLF-HT	Building 75 National Tritium Labeling Facility; tritium gas (HT)	Stack Air
75 NTLF-HTO	Building 75 National Tritium Labeling Facility; tritiated water vapor (HTO)	Stack Air
75-107H	Building 75 (Room 107) hood	Stack Air
75-127B	Building 75 (Room 127) Berkeley box manifold	Stack Air
75-127H	Building 75 (Room 127) hood	Stack Air

Location code	Description of sampling location	Volume II section
75A-COMP	Building 75A compactor room stack	Stack Air
75A-STORE	Building 75A storage room	Stack Air
75D-SEA	Building 75D sample exchange area	Stack Air
77 FTU	Building 77 fixed treatment unit	Fixed Treatment Units
85 Glovebox	Building 85 (HWHF) penthouse glovebox	Stack Air
85 Hood	Building 85 (HWHF) penthouse hood	Stack Air
88-ACLTR	Building 88 positron prefilter	Stack Air
Botanical Garden Creek	Botanical Garden Creek	Creeks
Building 50	East of Building 50	Soil
Building 69	North side of Building 69	Soil
Building 85	Northeast of Building 85	Soil
Cafeteria Creek	Cafeteria Creek	Creeks
Chicken Creek	Chicken Creek	Creeks; Creek Baseline Study; Stormwater
Chicken Creek–Main	Chicken Creek	Sediment
Chicken Creek–Trib	Tributary of Chicken Creek	Sediment
Claremont Creek	Claremont Creek	Creeks
East Canyon	Between Hazardous Waste Handling Facility and Centennial Drive	Creek Baseline Study; Stormwater
Effluent NFS	Western site effluent for North Fork of Strawberry Creek near Blackberry parking lot	Creek Baseline Study
ENV-69	Roof of Building 69	Ambient Air
ENV-75	Roof of Building 75	Rainwater
ENV-80	Roof of Building 80	Ambient Air
ENV-81	East of Building 81	Ambient Air
ENV-85	East of Building 85	Ambient Air
ENV-B13A	Sampling shelter west of Building 88	Ambient Air
ENV-B13C	Background sampling shelter off Panoramic Way	Ambient Air; Rainwater; Soil
ENV-B13D	Sampling shelter northwest of Lawrence Hall of Science	Ambient Air; Rainwater
ENV-LHS	Lawrence Hall of Science	Ambient Air
Hearst Sewer	Hearst Sewer station	Sewer
HYG77-0101	Hydrauger on north side of Building 77	Hydraugers
HYG77-0104	Hydrauger on north side of Building 77	Hydraugers

Location code	Description of sampling location	Volume II section
HYG77-02XX	Hydrauger manifold 02XX on north side of Building 77	Hydraugers
HYGCC1	Hydrauger #1 at Chicken Creek	Hydraugers
HYGCC2	Hydrauger #2 at Chicken Creek	Hydraugers
Influent NFS	Eastern site influent for North Fork of Strawberry Creek near onsite water tower	Creek Baseline Study
Lake Anza	Lake Anza in Tilden Park	Lakes
Lake Temescal	Lake Temescal near Highways 13 and 24 in Oakland	Lakes
N. Fork Strawberry Creek	North Fork of Strawberry Creek outlet near western boundary of site	Creeks; Creek Baseline Study; Stormwater
N. Fork Strawberry–Main	North Fork of Strawberry Creek	Sediment
N. Fork Strawberry–Trib	Tributary of North Fork of Strawberry Creek	Sediment
No Name Creek	No Name Creek	Creeks
Ravine Creek	Ravine Creek	Creeks
Strawberry Creek (aBG)	Strawberry Creek above Botanical Garden	Creek Baseline Study
Strawberry Creek (UC)	Upper Strawberry Creek	Creeks
Strawberry Sewer	Strawberry Sewer station	Sewer
VEG #1	East of Building 74, inner edge of plot	Vegetation
VEG #2	Southeast of Building 74, near Centennial Drive	Vegetation
VEG #3	Northeast of Building 84, inner edge of plot	Vegetation
VEG #4	Northeast of Building 84, inner edge of plot	Vegetation
VEG #5	North of Building 84, inner edge of plot	Vegetation
VEG #6	North of Building 84, inner edge of plot	Vegetation
VEG #7	North of Building 84, inner edge of plot	Vegetation
VEG #8	Northeast of Building 84, outer edge of plot	Vegetation
VEG #9	Northeast of Building 84, outer edge of plot	Vegetation
VEG #10	Northeast of Building 84, middle of plot	Vegetation
VEG #11	Northeast of Building 84, middle of plot	Vegetation
VEG #12	Northeast of Building 84, outer edge of plot	Vegetation
VEG #13	Northeast of Building 84, outer edge of plot	Vegetation
Wildcat Creek	Wildcat Creek	Creeks